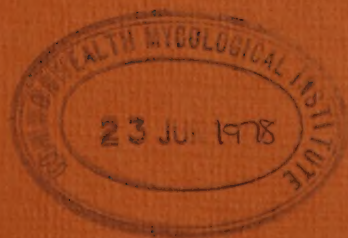


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HORTICULTURAL ABSTRACTS

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Propagation	30	116	—	282	363	—	523	596	676	754	842	923
Climate	30	—	—	—	—	442	523	596	—	754	842	923
Management	30	116	203	282	363	442	523	596	676	755	842	923
Greenhouses	30	117	203	282	363	443	523	596	677	755	842	923
Crop protection	31	117	203	283	364	443	—	597	677	755	842	924
Chemical residues	—	117	204	283	—	—	524	597	678	756	843	925
Morphology	—	117	—	—	—	—	—	—	—	—	843	—
Physiology and biochemistry	31	117	204	—	364	443	524	597	678	756	843	925
Reproduction	—	—	—	283	—	443	524	—	—	—	844	—
Field equipment	31	119	204	283	—	443	524	—	—	756	844	925
Handling and storage	31	—	204	—	364	443	—	598	—	756	844	—
Quality	—	119	—	283	364	—	524	598	678	—	844	925
Miscellany	31	—	204	—	365	—	525	—	679	—	—	—
TEMPERATE TREE FRUITS AND NUTS																	
General																	
Miscellaneous	31	119	204	284	365	443	525	598	679	756	844	925
Selection and varieties	31	119	—	—	—	—	525	—	—	—	844	—
Propagation and planting	32	—	204	284	365	443	525	—	679	756	844	925
Climate	—	—	205	—	365	444	525	—	—	—	845	—
Management	32	—	205	284	365	444	—	598	679	—	845	926
Soils and nutrition	—	119	—	284	—	444	525	599	679	757	—	—
Crop protection	31	119	205	284	365	444	525	599	679	757	845	926
Physiology and biochemistry	—	—	—	—	365	444	525	—	—	—	—	—
Reproduction	—	—	205	284	—	445	526	—	680	—	—	—
Harvesting and handling	—	120	205	284	365	—	526	599	680	—	—	926
Quality	—	—	—	—	365	—	526	599	—	757	—	926
By-products	—	—	—	—	—	—	—	—	—	—	—	—
Almonds	32	120	205	284	366	445	526	—	680	757	845	926
Apples																	
General	32	120	—	285	366	445	526	599	—	—	845	—
Selection and varieties	32	120	206	285	366	445	526	599	680	757	845	926
Propagation and planting	33	120	206	285	367	445	527	599	680	757	846	926
Climate	34	120	207	287	367	446	528	600	681	758	847	928
Management	34	121	207	287	367	446	528	600	681	758	848	928
Soils and nutrition	35	122	208	289	369	447	529	601	682	760	849	929
Crop protection	35	123	209	289	369	447	530	602	682	760	850	929
Physiology and biochemistry	37	124	210	290	370	449	531	603	683	761	850	930
Reproduction	38	125	211	291	370	450	532	605	684	762	851	931
Harvesting and handling	38	125	211	291	371	450	533	605	684	762	851	931
Quality	38	127	212	292	371	451	534	606	686	763	852	932
By-products	—	—	—	—	—	451	—	607	—	—	—	—
Apricots	39	127	213	292	371	452	534	607	686	764	853	933
Cherries	39	127	213	292	372	452	534	607	687	764	853	933
Chestnuts	—	128	—	294	373	—	535	608	688	764	854	934
Cobnuts and hazels	40	—	214	294	373	453	535	—	688	764	854	934

TEMPERATE TREE FRUITS AND NUTS

(continued)

Figs	...	...	...	...	...	40	128	214	—	—	—	536	—	689	765	—	934
Mulberries	...	...	...	...	...	—	—	—	—	—	—	—	608	—	—	855	—
Peaches and nectarines	...	...	...	...	...	40	129	214	294	373	453	536	608	689	765	855	934
Pears	...	...	...	...	...	41	130	216	295	375	455	536	610	691	767	856	936
Pecans and hickories	...	...	...	...	...	43	131	217	296	376	455	537	610	692	768	858	937
Pistachios	...	...	...	...	...	43	131	217	296	376	456	—	610	692	769	858	—
Plums, prunes and damsons	...	...	...	...	...	43	132	218	296	376	456	537	611	692	769	858	937
Quinces	...	...	...	...	...	—	—	218	—	377	457	538	611	693	769	859	937
Walnuts	...	...	...	...	...	44	132	218	297	377	457	538	—	693	769	859	937
Sundry crops	...	...	...	...	...	44	132	218	—	—	457	—	—	693	—	859	938

SMALL FRUITS AND VINES

General	...	...	...	...	...	44	132	218	297	377	—	539	611	693	770	859	938
<i>Actinidia</i> species	...	...	...	...	...	—	133	218	297	377	457	539	611	693	770	—	938
Currants	...	...	...	...	...	44	133	218	298	377	457	539	611	693	770	860	938
Gooseberries	...	...	...	...	...	45	133	—	—	—	458	—	612	693	770	—	939
Minor <i>Ribes</i> species	...	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—
Blackberries	...	...	...	...	...	45	—	219	298	377	—	—	612	694	770	—	939
Raspberries	...	...	...	...	...	45	133	219	298	378	458	540	612	694	770	860	939
Minor <i>Rubus</i> species	...	...	...	...	...	45	—	219	—	—	—	540	614	—	771	—	939
<i>Vaccinium</i> species	...	...	...	...	...	46	134	220	299	378	458	540	—	694	771	860	939
Strawberries	...	...	...	...	...	46	134	220	299	378	459	540	614	695	772	860	939
Vines																	
General	...	...	...	...	...	48	135	222	300	380	460	541	616	696	773	861	941
Selection and varieties	...	...	...	...	...	48	136	222	301	380	460	542	616	696	773	861	941
Propagation and planting	...	...	...	...	...	49	136	222	301	381	460	542	616	—	774	862	941
Climate	...	...	...	...	...	49	136	—	303	381	461	542	616	696	774	862	—
Management	...	...	...	...	...	49	136	223	303	381	461	542	616	696	774	862	942
Soils and nutrition	...	...	...	...	...	50	137	223	304	382	462	543	617	697	774	863	943
Crop protection	...	...	...	...	...	50	137	224	305	382	462	543	617	697	775	863	943
Physiology and biochemistry	...	...	...	...	...	50	138	225	305	383	463	544	618	698	776	864	944
Reproduction	...	...	...	...	...	51	138	225	307	383	463	544	618	698	777	865	944
Harvesting and handling	...	...	...	...	...	51	138	226	308	384	464	545	619	698	777	865	945
Quality	...	...	...	...	...	51	139	—	308	384	464	545	619	699	778	865	946
By-products	...	...	...	...	...	51	139	—	—	384	—	—	—	—	—	—	—
Sundry crops	...	...	...	...	...	—	—	—	—	—	—	—	619	699	778	865	946

VEGETABLES, TEMPERATE, TROPICAL AND GREENHOUSE

General	...	...	...	...	...	51	139	226	309	384	464	545	619	699	778	866	946
Alliaceae																	
Garlic	...	...	...	...	...	52	141	227	309	385	466	546	619	699	—	866	947
Leeks	...	...	...	...	...	—	—	227	309	385	466	546	619	699	779	867	947
Onions	...	...	...	...	...	53	141	227	310	385	466	546	619	700	779	867	947
Other <i>Allium</i> species	...	...	...	...	...	—	—	229	310	—	467	—	621	—	—	869	948
Chenopodiaceae																	
Red beet	...	...	...	...	...	54	143	229	310	386	467	547	621	700	780	869	948
Spinach	...	...	...	...	...	54	143	229	310	386	467	548	621	700	780	869	948
Spinach beet	...	...	...	...	...	—	—	229	311	—	—	—	—	—	780	—	—
Compositae																	
Artichokes (jerusalem)	...	...	...	...	...	54	143	229	—	—	—	548	621	—	—	869	949
Artichokes (globe)	...	...	...	...	...	—	144	—	311	387	—	—	621	700	—	869	—
Cardoons	...	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—
Chicory	...	...	...	...	...	—	144	229	311	387	468	548	622	700	780	869	—
Endive	...	...	...	...	...	55	144	230	—	—	468	—	622	701	780	—	—
Lettuce	...	...	...	...	...	55	144	230	311	387	468	548	622	701	780	869	949
Salsify	...	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—
Scorzonera	...	...	...	...	...	—	—	—	—	387	469	—	—	702	781	—	—
Other composites	...	...	...	...	...	—	—	—	—	—	—	—	—	—	—	870	—
Cruciferae																	
Brassicas	...	...	...	...	...	56	145	231	312	388	469	549	624	702	781	871	949
Cress	...	...	...	...	...	—	—	233	314	388	—	—	625	703	—	—	—
Radishes	...	...	...	...	...	57	146	233	314	388	471	551	625	703	783	871	951
Watercress	...	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	951
Cucurbitaceae	...	...	...	...	...	58	147	233	314	389	471	551	625	703	783	872	951
Leguminosae																	
Beans (<i>Phaseolus</i>)																	
General	...	...	...	...	...	—	149	—	—	392	474	—	—	705	—	—	—
Selection and varieties	...	...	...	...	...	60	149	—	316	392	—	553	628	705	785	874	—
Propagation and planting	...	...	...	...	...	60	149	235	316	392	474	554	628	705	785	—	954

VEGETABLES, TEMPERATE, TROPICAL AND
GREENHOUSE (continued)

Climate	60	149	236	—	—	—	554	628	—	786	875	954
Management	—	149	236	316	—	474	554	628	—	786	875	954
Soils and nutrition	60	149	236	316	392	474	—	629	705	786	875	954
Crop protection	60	150	236	316	392	—	554	629	706	786	875	954
Physiology and biochemistry	61	150	237	317	392	474	554	629	706	787	876	955
Reproduction	—	151	—	—	—	475	555	630	707	—	—	—
Harvesting and handling	62	—	—	317	393	476	555	—	707	—	877	—
Quality	62	—	237	317	393	476	555	630	707	—	877	955
Beans (<i>Vicia</i>)	62	151	237	318	393	476	555	630	707	787	877	956
Beans (<i>Cyamopsis</i>)	—	151	238	318	—	—	555	—	—	—	—	—
Peas	63	152	238	318	394	477	555	631	708	788	877	956
Other genera	—	154	239	—	—	—	—	—	—	790	—	—
Liliaceae — Asparagus	64	154	239	319	395	478	556	632	—	790	878	958
Malvaceae — Okra	64	154	240	319	396	478	557	633	709	790	879	959
Polygonaceae — Rhubarb	—	—	240	—	—	—	557	—	710	790	—	959
Solanaceae												
Capsicums	64	154	240	319	396	479	557	633	710	790	879	959
Eggplants	65	155	241	320	396	479	558	633	711	791	879	960
Tomatoes												
General	65	—	241	321	—	—	—	—	—	791	880	—
Selection and varieties	65	156	242	321	397	479	558	634	711	791	880	961
Propagation and planting	66	156	242	321	397	480	558	634	712	792	880	961
Climate	66	156	242	322	398	—	558	634	—	—	880	961
Management	66	156	242	322	398	480	558	635	712	792	881	961
Soils and nutrition	67	156	242	322	398	480	559	635	712	793	881	962
Crop protection	67	157	243	322	399	481	559	636	713	793	881	962
Physiology and biochemistry	68	158	244	323	400	482	560	637	714	794	882	963
Reproduction	68	159	245	324	400	483	561	637	715	795	882	—
Harvesting and handling	68	159	—	324	—	483	561	638	715	795	883	964
Quality	69	159	245	324	401	483	561	638	715	796	883	964
Umbelliferae												
Carrots	69	160	246	325	401	484	561	638	715	796	883	964
Parsnips	—	160	—	—	—	—	—	—	716	797	—	—
Celery	69	160	247	—	402	484	562	639	—	797	884	965
Celeriac	—	—	247	325	—	—	—	—	716	797	884	965
Sundry crops	69	161	247	325	402	485	562	639	716	797	884	965
Mushrooms	70	161	247	325	402	485	562	639	716	797	884	965
ORNAMENTAL PLANTS												
General	70	162	247	326	402	486	563	639	717	798	884	966
Propagation and nursery management - general	71	162	248	326	403	487	564	640	717	799	885	967
Weed control and plant protection - general	71	162	248	326	404	487	564	640	718	799	886	967
Carnations and pinks	71	163	249	326	404	487	564	641	718	799	886	967
Chrysanthemums	71	163	249	327	405	488	564	641	719	800	—	967
Geraniums or pelargoniums	72	164	250	328	406	—	565	642	720	801	886	968
Gerberas	73	165	—	329	406	489	—	642	720	801	887	969
Morning glories	73	165	—	329	—	489	565	642	720	802	—	969
Petunias	73	165	251	329	406	489	565	642	721	802	—	969
Primulas	—	165	251	329	—	489	565	—	—	802	—	—
Snapdragons	73	165	251	329	407	489	565	643	721	—	887	969
Other annual and herbaceous plants	73	165	251	330	407	489	565	643	721	802	887	970
Bulbs, tubers, etc. — general	75	167	252	331	409	490	—	—	—	804	888	971
Anemones	—	167	—	—	—	—	—	—	—	—	—	—
Begonias	75	167	252	331	409	490	—	644	723	804	888	—
Crocuses	—	—	253	—	409	—	—	—	—	—	888	—
Cyclamen	75	167	—	331	—	490	567	644	723	804	888	—
Dahlias	75	—	253	331	410	—	567	—	—	804	—	971
Freesias	75	167	253	331	410	491	567	644	—	805	888	971
Gladioli	75	167	253	331	410	491	567	644	723	805	889	971
Gloxinias	76	—	—	—	—	491	—	—	—	—	—	972
Hyacinths	—	168	253	332	—	—	567	—	—	805	889	—
Irises	76	—	253	332	410	491	—	—	724	805	—	972
Lilies	76	168	253	332	410	491	567	644	724	805	889	972
Narcissi	76	168	254	—	411	—	568	644	724	806	889	973
Nerines	77	—	—	—	—	—	—	—	724	806	—	973
Tulips	77	169	254	332	412	491	568	645	724	806	889	973
Other bulbs, tubers, etc.	77	169	255	332	412	492	568	645	724	807	890	973

ORNAMENTAL PLANTS (continued)

Lawns and other turf	77	170	255	332	412	492	569	645	725	807	890	974
Aquatic plants	—	—	—	—	413	493	—	—	—	—	—	—
Bromeliads	78	—	—	333	—	—	—	—	726	808	891	—
Other foliage and succulent plants	78	171	256	333	413	493	570	647	726	809	891	975
Orchids	79	172	257	334	414	493	571	647	727	810	892	976
Trees and shrubs — general	79	172	257	334	414	494	571	648	728	811	893	976
Bougainvilleas	—	—	—	—	—	495	571	648	728	—	894	—
Camellias	—	—	—	—	415	—	571	—	—	—	894	976
Conifers	80	—	257	—	415	495	—	648	728	811	894	976
Heaths and heathers	80	173	—	—	415	—	—	—	—	811	—	—
Hollies	—	173	258	335	—	495	—	648	728	811	—	977
Hydrangeas	—	173	—	335	415	495	—	—	729	—	—	977
Ivies	80	173	—	335	415	495	571	648	729	811	—	—
Jasmines	—	—	—	—	—	495	572	—	—	—	—	—
Lilacs	80	174	—	335	—	495	572	648	—	812	—	977
Magnolias	80	—	258	—	416	496	—	—	729	—	—	977
Poinsettias	80	174	—	335	416	496	572	648	729	812	894	977
Rhododendrons and azaleas	80	174	258	335	416	—	572	648	729	812	894	978
Roses	80	174	258	336	417	496	572	649	729	812	895	978
Other trees and shrubs	81	175	259	336	418	497	572	650	730	813	896	979

MINOR TEMPERATE AND TROPICAL

INDUSTRIAL CROPS

General	83	176	—	—	419	499	573	651	—	815	898	980
Condiments and spices	83	176	260	338	419	499	573	651	732	815	898	980
Dyes	—	177	260	339	420	500	574	652	732	—	—	981
Essential oils	83	177	260	339	420	500	574	652	732	815	898	981
Hard fibres	—	178	261	340	421	501	575	—	734	816	899	982
Hops	84	178	261	340	421	501	575	653	—	816	900	982
Insecticidal plants	84	178	261	340	424	501	—	653	734	816	900	982
Medicinal plants	84	178	261	340	424	501	575	653	734	817	901	982
Perennial fatty oil plants	86	183	—	343	427	—	577	—	—	820	904	987
Sundry plants	86	183	266	343	—	505	578	656	—	820	—	987

SUB-TROPICAL FRUIT AND PLANTATION

CROPS

General	86	183	266	343	428	505	578	656	737	820	—	988
Avocados	86	183	266	343	428	505	578	656	737	820	905	988
Carobs	—	183	—	—	—	—	—	—	738	820	905	—
Citrus												
General	86	184	266	343	428	506	578	657	738	820	905	—
Selection and varieties	87	184	266	343	428	506	—	657	—	820	905	—
Propagation and planting	87	184	267	343	428	506	—	657	739	821	905	989
Climate	87	184	—	—	428	—	578	—	—	821	905	990
Management	87	184	267	344	429	506	579	657	739	821	905	990
Soils and nutrition	87	184	267	344	429	506	579	657	—	822	906	990
Crop protection	88	185	268	344	429	507	579	657	739	822	906	990
Physiology and biochemistry	89	186	268	345	430	507	580	658	740	823	907	992
Reproduction	89	186	269	346	430	508	580	—	740	824	907	992
Harvesting and handling	90	186	269	346	431	508	580	659	740	824	908	993
Quality	90	187	270	347	431	508	581	—	741	825	908	994
By-products	—	187	270	—	—	—	—	660	741	—	908	994
Dates	90	—	270	347	431	—	581	660	741	825	909	994
Feijoas	—	—	—	—	—	508	581	—	—	—	—	—
Litchis	—	—	270	347	432	508	—	—	742	—	—	—
Longans	—	—	—	—	—	—	—	—	—	—	—	—
Loquats	—	—	270	—	—	—	—	—	—	825	—	—
Macadamias	—	187	270	—	432	—	581	660	—	826	—	994
Olives	91	188	270	347	432	508	581	660	742	826	909	995
Passion fruit	91	188	270	347	432	509	581	661	742	826	—	995
Persimmons	91	188	271	347	—	509	—	661	742	826	909	—
Pomegranates	91	188	271	—	432	—	—	—	—	826	909	995
Prickly pears	—	—	—	—	—	—	—	—	—	—	—	—
Tamarillos	—	—	—	—	—	—	581	—	—	—	—	—
Tung	—	—	271	—	—	—	—	661	—	—	909	—
Sundry crops	—	—	271	—	432	510	582	—	743	—	—	—

TROPICAL FRUIT AND PLANTATION CROPS

General	91	188	271	348	432	510	582	661	743	826	910	995
<i>Annona</i> species	—	—	271	348	—	—	582	—	—	826	910	—
Arecanuts	—	—	271	348	433	—	—	661	743	—	910	995
Bananas and abaca	91	188	271	348	433	510	582	661	743	826	910	995

TROPICAL FRUIT AND PLANTATION CROPS
(continued)

(continued)

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Review articles in Horticultural Abstracts
Vol. 47, 1977

The Physiology of the Onion, by J.L. Brewster — Part 1.

January 1977. Pages 17-23

The Physiology of the Onion, by J.L. Brewster – Part 2.

February 1977. Pages 103-112

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SYMBOLS FOR UNITS

<i>Symbol</i>	<i>Unit or Prefix</i>	<i>Symbol</i>	<i>Unit or Prefix</i>	<i>Symbol</i>	<i>Unit or Prefix</i>
a	arc	g	gramme	μbar	microbar
A	ampere	G	giga-	min	minute (time)
Å	angstrom	gal	gallon	mol	mole
atm	standard atmosphere	h	hecto-	n	nano-
Btu	British thermal unit	h	hour	Ω	ohm
bu	bushel	hp	horsepower	oz	ounce
c	centi-	hz	hertz	p	pico-
°C	degree Celsius	in	inch	pt	pint
cal	calorie	J	joule	q	quintal
cd	candela	k	kilo-	qt	quart
Ci	curie	l	litre	R	roentgen
ctl	cental	lb	pound	rad	rad (amount of absorbed radiation)
cwt	hundredweight	lbf	pound-force	s	second (time)
d	deci-	lm	lumen	t	tonne (metric ton)
da	deca-	lx	lux	T	tera-
erg	erg	m	metre	ton	ton
f	femto-	m	milli-	V	volt
°F	degree Fahrenheit	mbar	millibar	W	watt
fl oz	fluid ounce	M	mega-	yd	yard
ft	foot	μ	micro-		

SYMBOLS FOR LANGUAGES

Af	Afrikaans	Fi	Finnish	Nl	Dutch and Flemish
Ar	Arabic	Fr	French	No	Norwegian
Be	Belorussian	Gr	Greek	Pl	Polish
Bg	Bulgarian	He	Hebrew	Pt	Portuguese
Ch	Chinese	Hu	Hungarian	Ro	Romanian
Cs	Czech	In	Indonesian	Ru	Russian
Da	Danish	It	Italian	Sh	Serbo-Croat
De	German	Ja	Japanese	Sk	Slovak
Ee	Estonian	Ko	Korean	Sn	Slovene
En	English	Li	Lithuanian	Sv	Swedish
Eo	Esperanto	Lv	Latvian	Tr	Turkish
Es	Spanish	Ma	Macedonian	Uk	Ukrainian

Symbols with capitals represent the language of the paper; symbols without capitals the summaries.

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Page	Abstract	Line	
26	29	6	for ' <i>Boarmia selenaria</i> ' read ' <i>Boarmia [Ascotis] selenaria</i> '
43	242	1	for 'STANDEN, J. VAN' read 'STADEN, J. VAN'
79	713	11	for 'G. Krüssman' read 'G. Krüssmann'
87	823	6	for 'cv.' read 'var.'
117	1080	5	for ' <i>houstoniatum</i> ' read ' <i>houstonianum</i> '
137	1331	12	for ' <i>Serrodes partita</i> ' read ' <i>Serrodes partitus</i> '
159	1610	1-2	for 'ABEL MAKSOAD' read 'ABDEL MAKSOAD'
162	1644	1	for 'RHOADES, A.F.' read 'RHOADS, A.F.'
170	1744	6,8	for ' <i>Cricnemoides rusticum</i> ' read ' <i>Cricnemoides rusticus</i> '
			for ' <i>C. ornatum</i> ' read ' <i>C. ornatus</i> '
			for ' <i>C. parvum</i> ' read ' <i>C. parvus</i> '
			for ' <i>C. curvatum</i> ' read ' <i>C. curvatus</i> '
171	1745	10	for ' <i>Cynodon magennissii</i> ' read ' <i>Cynodon magennisi</i> '
193	2062	1	for 'CHITTIGRAICHELVAN, R.' read 'CHITTARAICHELVAN, R.'
201	2158	3-4	for ' <i>C. limettoides</i> ' read ' <i>Citrus limettoides</i> '
213	2326	1	for 'LEIBSTER, G.' read 'LIEBSTER, G.'
229	2515	14	for 'of normal' read 'of the normal'
255	2831	3	for ' <i>Tetrahedron</i> ' read ' <i>Tetrahedron Letters</i> '
271	3055	8,11	for ' <i>Amphimallon solstitialis</i> ' read ' <i>Amphimallon solstitiale</i> '
			for ' <i>Sparagnothis pilleriana</i> ' read ' <i>Sparaganothis pilleriana</i> '
273	3082	7	for ' <i>Prometheca</i> ' read ' <i>Promecotheca</i> '
314	3594	3	for ' <i>Sphaerotheca fuliginea</i> ' read ' <i>Sphaerotheca fuliginea</i> '
333	3835	20	for ' <i>Asplenium platyneuron</i> ' read ' <i>Asplenium platyneuron</i> '
345	4006	2,4	for ' <i>Leptomastix dactilopii</i> ' read ' <i>Leptomastix dactylopii</i> '
354	4111	3	for ' <i>Plant, Malaysia</i> ' read ' <i>Planter, Malaysia</i> '
355	4120	11	for 'sheets' read 'setts'
360	[4164]	5	for ' <i>Archips podana</i> ' read ' <i>Archips podanus</i> '
361	[4169]	20	for ' <i>Dasyneura</i> ' read ' <i>Dasineura</i> '
374	4335	13	for 'and Zn.' read 'for Zn (18.8, 14.8 and 14.8).'
383	4449	4	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
386	4487	7	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
392	4557	3	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
392	4559	5	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
395	4599	5	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
397	4622	6	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
400	4652	6	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
414	4823	13	for ' <i>Euonymus japonica</i> ' read ' <i>Euonymus japonicus</i> '
419	4872	1	for 'COMBRIER, H.' read 'COMBIER, H.'
421	4898	8	for 'N200P100K50' read 'N ₂₀₀ P ₁₀₀ K ₅₀ '
421	4907	16	for '[<i>Verticillium albo-atrum</i>]' read '[<i>Verticillium albo-atrum</i> ']'
423	4927	3-4	for '(<i>Humulus lupulus</i> L.)' read '(<i>Humulus lupulus</i> L.)'
434	5071	13	for ' <i>Rhynchophorus palmarum</i> ' read ' <i>Rhynchophorus palmarum</i> '
435	5085	4	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
437	5114	1	for 'SOOMARK, S.' read 'SOOKMARK, S.'
438	5127	7	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
440	5141	6	for ' <i>Brasileira</i> ' read ' <i>Brasileira, Agronomia</i> '
443	5162	2	for 'UK' read 'Farnham Royal, UK.'
458	5360	8	for ' <i>Thomasiniana theobaldi</i> ' read ' <i>Thomasiniana theobaldi</i> '
482	5664	1	for 'RAJUKHANNU, K.' read 'RAJUKKANNU, K.'
486	5713	30	for ' <i>Cephalotaxus harringtonii</i> ' read ' <i>Cephalotaxus harringtonia</i> '
497	5837	1	for 'MUTHSWAMY, S.' read 'MUTHUSWAMY, S.'
503	5924	9	for ' <i>Glycyrrhiza glabra</i> ' read ' <i>Glycyrrhiza glabra</i> '
528	6239	10	insert after 'on M.9.' 'The level of illumination within trees on M.9 was higher than within trees on M.4'
531	6276	6	for ' <i>T. cacoecia pallida</i> ' read ' <i>T. cacoeciae pallida</i> '
625	7423	1	for 'CHALANT, R.B.' read 'CHALFANT, R.B.'
705	8423	1	for 'YABUMOYO, K.' read 'YABUMOTO, K.'
709	8483	6-7	for ' <i>Earias vitella</i> ' read ' <i>Earias vittella</i> '
716	8555	7	for ' <i>Solanum africana</i> ' read ' <i>Solanum africanum</i> '
746	8943	2	for 'BURDETT, A.K., JR.' read 'BURDITT, A.K., JR.'
781	9345	13	for '14/14°, 14/24° or 24/24°' read '14/14°, 14/24°, 24/14° or 24/24°'
800	9562	5	for ' <i>Cricnemoides curvatum</i> ' read ' <i>Cricnemoides curvatus</i> '
819	9814	2-3	for ' <i>Sophora secundiflora</i> ' read ' <i>Sophora secundiflora</i> '
834	10000	1-2	for 'WETTASINGHA, D.T.' read 'WETTASINGHE, D.T.'
857	10251	1	for 'GRBOĆ, O.' read 'GRBIĆ, O.'
863	10332	7	for ' <i>Botrytis</i> ' read ' <i>Botrytis</i> '
863	10332	8	for 'cinerea' read 'cinerea'
922	[11042]	19	for 'peat <i>rosae</i> .' <i>Saintpaulias</i> .' read 'peat substrates. <i>Roses</i> .'
939	11250	8	insert after 'stage' 'contained more tannins and pigments than fruits picked at the EM stage.'

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National, research and public organizations, but not commercial firms, are indexed under relevant country

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- Baldini, E., Arboricoltura [Tree culture] 11018
- Baylis, M., House plants for the purple thumb 1019
- Bean, W.J., Trees and shrubs hardy in the British Isles. Volume III N-Rh 11562
- Bianchini, F.; Corbetta, F., Atlas of the fruits of the earth 4146
- Brown, G.R., . The pruning of trees, shrubs and conifers 7003
- Bryan, J.E.; Castle, C., The edible ornamental garden 3
- Bunt, A.C., Modern potting composts 2133
- Cannell, M.G.R.; Last, F.T. [editors], Tree physiology and yield improvement 10012
- Eden, T., Tea 5145
- Evans, L.T. [editor], Crop physiology 1018
- Frankel, O.H.; Hawkes, J.G. [editors], Crop genetic resources for today and tomorrow 2134
- Friend, J.; Threlfall, D.R. [editors], Biochemical aspects of plant-parasite relationships 9010
- Garner, R.J.; Chaudhri, S.A., Commonwealth Bureau of Horticulture and Plantation Crops, The propagation of tropical fruit trees 3138
- Genders, R., Wildlife in the garden 4147
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- Grimwood, B.E., Coconut palm products. Their processing in developing countries 4066
- Harborne, J.B., Phytochemical methods. A guide to modern techniques of plant analysis 7004
- Herklots, G., Flowering tropical climbers 1020
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- Johnson, W.T.; Lyon, H.H., Insects that feed on trees and shrubs 3139
- Kachroo, P., Introduction to gardening 1021
- Kassam, A.H., Crops of the West African semi-arid tropics 11019
- Kozłowski, T.T. [editor], Water deficits and plant growth. Volume IV. Soil water measurement, plant responses, and breeding for drought resistance 10013
- Krüssmann, G., Handbuch der Laubgehölze. Band 1, A-D [Handbook of broadleaved trees and shrubs. Vol. 1, A-D] 9011
- Lamb, J.G.D.; Kelly, J.C.; Bowbrick, P., Nursery stock manual 2746
- Lehmann, H.; Schulz, D., The plant cell 10014
- Lewis, W.H.; Elvin-Lewis, M.P.F., Medical botany 10015
- Linsens, H.F. [editor], Fertilization in higher plants 10016
- Marsh, R.W. [editor], Systemic fungicides 11020
- Meade, G.P.; Chen, J.C.P., Cane sugar handbook 11021
- Mihara, V. [editor], Agricultural Meteorology of Japan 6148
- Monteith, J.L. [editor]
 - Vegetation and the atmosphere. Volume 1. Principles 4
 - Vegetation and the atmosphere. Volume 2. Case studies 5
- Moyse, A. [editor], Les processus de la production végétale primaire, [Processes of primary plant production] 11022
- Nath, P., Vegetables for the tropical region 4148
- Papadakis, J., Climates of the world and their potentialities 1022

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- Pearce, S.C., Field experimentation with fruit trees and other perennial plants 75
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- Pirson, A.; Zimmermann, M.H.; Milburn, J.A. [editors], Encyclopedia of plant physiology, new series, volume 1. Transport in plants. I. Phloem transport 10017
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